



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_MERCURY  
 OPERATOR(S) DC

Depth	p.MeHg Glass fiber filter FRZ -20°C	Filter code	Filtration Volume (mL)	Filtration time (min)	f.MeHg 125-mL PETG bottle FRG +4°C
Z00 m	###-Z00 p.MeHg				
Z02 m	###-Z02 p.MeHg				###-Z02 f.MeHg
Depth	p.THg Glass fiber filter FRZ -20°C	Filter code	Filtration Volume (mL)	Filtration time (min)	f.THg 40-mL glass bottle FRG +4°C
Z00 m		# 64 132,55	2765	15	###-Z00 f.THg
Z02 m	###-Z02 p.THg		2765 mL		###-Z02 f.THg
Depth	uf.THg 40-mL glass bottle RT				
Z00 m	###-Z00 uf.THg				
Z02 m	###-Z02 uf.THg		1080 + 535 + 1150		



Depth	COMMENTS	
200  m		
	<p>I opened the p-T-Hg sample from the filter holder but saw that it was not really coloured so I put it back in filtration.</p>	
		<p>13522 #04</p>
		<p>1080 #04</p>



YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 05 03 \_STATION- 1 4 1 \_W-LAB-142-1  
 OPERATOR(S) JEANTHON G.

Depth Replicate	S320 Cryo-5mL LN2 #1	S023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	S<02 Cryo-5mL FRG +4°C	Filtration Volume (Litres)
Z00 R01 m			<input type="checkbox"/> 20L <u>10</u> L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L <u>10</u> L
Z00 R02 m			<input type="checkbox"/> 20L <u>10</u> L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L <u>10</u> L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	###-Z02 S<02	<input type="checkbox"/> 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	###-Z02 S<02-2	<input type="checkbox"/> 20L L
Depth Replicate	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m			<input checked="" type="checkbox"/> 50L <u>2 x 25</u> L	<input checked="" type="checkbox"/> 60 min. min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		
Depth Replicate	S320-L 15mL falcon -20°C + 10 mL Nucleoprotect	S023-L 15mL falcon -20°C + 10 mL Nucleoprotect	Filtration Volume (Litres)	Filtration Duration (minutes)		
Z00 m			<input type="checkbox"/> 50L <u>2 x 20</u> L	<input checked="" type="checkbox"/> 60 min. min.		
Z02 m	###-Z02 S320-L	###-Z02 S023-L	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		



Depth Replicate	COMMENTS S###
Z00 R01 m	
Z00 R02 m	
Z02 R01 m	
Z02 R02 m	
Depth	COMMENTS P###
Z00 m	<i>2 filters per size fraction were processed</i>
Z02 m	
Depth	COMMENTS S###L
Z00 m	<i>2 filters per size fraction were processed</i>
Z02 m	



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_W-LAB-142-SS-1

OPERATOR(S) **JEANTHON C.**

Depth Replicate	S02-2K Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)		
Z00 R01 m		<input checked="" type="checkbox"/> 15L L	<input checked="" type="checkbox"/> 15' min.	80 L : Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z00 R02 m		<input checked="" type="checkbox"/> 15L L	<input checked="" type="checkbox"/> 15' min.		
<b>Depth Replicate</b>	< 3 µm				
Z00 m	For onland protocols			50 L : Collect filtrate for SS protocols onland : V<3, RBM<3, VV<3, VV<3bis	



Depth Replicate	COMMENTS S02-2K
Z00 R01  m	
Z00 R02  m	
Depth Replicate	COMMENTS < 3 µm
Z00  m	



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-OTHER

OPERATOR(S) Guilou LAURE

Depth Replicates	HC Cryo-5mL LN2 #1	HC-G Cryo-5mL LN2 #1	CP-G Cryo-5mL LN2 #1	SG Cryo-5mL LN2 #1	FC-P Cryo-2mL LN2 #3	FC-G Cryo-2mL LN2 #3
Z00 R01 m	112539907	112540024	112540032	112539930	112539932	112539934
Z00 R02 m	112539908	112540025	112540036	112539931	112539933	112539935
Z00 R03 m	112539909	112540026	112540034	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C
Z00 R04 m	112539910	112540027	Glycerol prealiquot - RT			
Z00 R05 m	112539911	112540028		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00 R06 m	112539912	112540029		112539964	112539967	112539970
Z00 R07 m	112539913	112540030		112539965	112540035	112539971
Z00 R08 m	112539914	112540031		112539966	112539969	112539972
Prealiquot	No prealiquot	Glycerol prealiquot - RT		+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>
Depth Replicate	eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	+ 50 mL of buffer	< 0.45 µm	
Z00 m	112539940	<input type="checkbox"/> 30L 27 L	<input checked="" type="checkbox"/> 30 min. min.			



Depth Replicates		○ CP-G Cryo-5mL LN2 #1	● SG Cryo-5mL LN2 #1	● FC-P Cryo-2mL LN2 #3	● FC-G Cryo-2mL LN2 #3		
Z02	R01 m	###-Z02 CP-G-1	###-Z02 SG-1	###-Z02 FC-P-1	###-Z02 FC-G-1		
Z02	R02 m	###-Z02 CP-G-2	###-Z02 SG-2	###-Z02 FC-P-2	###-Z02 FC-G-2		
Z02	R03 m	###-Z02 CP-G-3	Glycine- betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C		
Prealiquot		Glycerol prealiquot - RT					
					DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
					###-Z02 DGAS-1	###-Z02 DGAS-2	###-Z02 DGAS-3
					+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>

COMMENTS





YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 05 03 \_STATION- 1 4 1 \_DECK-BGC  
 OPERATOR(S) Florian Trigodet

Depth	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C		DICTA Bottle-500mL RT >10°C	SAL Bottle-125mL RT >10°C
Z00 m			###-Z00 TOC-3			
Z02 m	###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3		###-Z02 DICTA	###-Z02 SAL
	+ 150 µl HCl				+ 300 µl HgCl <sub>2</sub>	
Depth	CDOM/FDOM Bottle-60mL FRG +4°C	DOC Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C			
Z00 R01 m						
Z00 R02 m						
Z00 R03 m						
Z02 R01 m	###-Z02 DOM-1	###-Z02 DOC-1	###-Z02 NUT-1			
Z02 R02 m	##-Z02 DOM-2	###-Z02 DOC-2	###-Z02 NUT-2			
Z02 R03 m	##-Z02 DOM-3	###-Z02 DOC-3	###-Z02 NUT-3			
		+ 150 µl HCl				



Depth	COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00 m	Missing vial, only duplicate.		
Z02 m			
Depth Replicate	COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00 R01 m			
Z00 R02 m			
Z00 R03 m			
Z02 R01 m			
Z02 R02 m			
Z02 R03 m			





LCMS

Depth		COMMENTS
Z00	R01 m	Bad weather. Rinsing only done 1h30min after end of extraction
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	m	



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_W-LAB-142-SS-2

OPERATOR(S) Florian Trijodet

Depth	Replicate	MB320 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	MB033 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00	R01		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min
	m		L	min		L	min
Z00	R02		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min
	m		L	min		L	min
Z00			<input checked="" type="checkbox"/> 4L	<input checked="" type="checkbox"/> 10 min		<input checked="" type="checkbox"/> 4L	<input checked="" type="checkbox"/> 10 min
	m		L	min		L	min
Z02	R01	###-Z02 MB320-SS-1	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min	###-Z02 MB033-SS-1	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min
	m		L	min		L	min
Z02	R02	###-Z02 MB320-SS-2	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min	###-Z02 MB033-SS-2	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min
	m		L	min		L	min
Z02		###-Z02 MB320-H2O	<input type="checkbox"/> 4L	<input type="checkbox"/> 10 min	###-Z02 MB033-H2O	<input type="checkbox"/> 4L	<input type="checkbox"/> 10 min
	m		L	min		L	min

COMMENTS




Depth Replicate	COMMENTS MB320-SS	COMMENTS MB033-SS
Z00 R01 m		
Z00 R02 m		Filter was cracked :c
Z00 R03 m		
Z02 R01 m		
Z02 R02 m		
Z02 R03 m		
Depth	COMMENTS LCMS	
Z00 m		
Z02 m		



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-DECKNET-5

OPERATOR(S) **GUILLON LAURE**

Depth	Volume filtered (Litres)				
Z00	<input type="checkbox"/> 10 L				
m	$\wedge\wedge$ L				
Z02	<input type="checkbox"/> 10 L				
m	L				

Depth	FM5-1* Falcon-15mL FRG +4°C	FM5-2* Falcon-15mL FRG +4°C	SG5-1* Cryo-5mL LN2	SG5-2* Cryo-5mL LN2
Z00	112539941	112539942	112539943	112539944
m				
Z02	### Z02 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2
m				

\*pre-aliquoted 5 mL PFA/GLUT  
store at -20°C

\* pre-aliquoted Glycine betaine  
store at 4°C



Depth	COMMENTS SG5
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Z00 R01 m	
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Z00 R02 m	
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Depth	COMMENTS FM5
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Z00 R01 m	
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Z00 R02 m	
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LOG\_SAMPLES\_ **2024 05 03** \_STATION- **1 4 1** \_PPN2-PPN2exe

OPERATOR(S) **GUILLOU LAURE**

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	<del>11:15</del> 9:15	9:15
Z00 m	2	9:15	9:15
Z00 m	3	9:15 (UTC)	9:15

Depth	Natural abundance - T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time - start	Filtration time - end
Z00 m	NAT-1		1000	9:30	10:00
Z00 m	NAT-2		1000	9:30	10:00
Z00 m	NAT-3		1000	9:30	10:00

24h (+/- 30min) later

Filtration < 40min

Depth	Incubated bottle	PPN2 Filter in alu -20°C	PPN2exe* Exetainer-12mL +4°C	Filtration volume (mL)	Filtration time - start	Filtration time - end
Z00 m	PPN2-1			1100	11:45	:
Z00 m	PPN2-2			1100	11:45	:
Z00 m	PPN2-3			1100	11:45	:

BLANK



\* +100 µL ZnCl





LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-25-1

OPERATOR(S) **RANINI Romann**

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00	1. 0.99 2. 1.42 3. 1.53		1080 mL	N° TE320 Weight 37.248		
Z02	1. 2. 3.	TRIPPLICATES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #3	Filtration Volume (mL) Filtration Duration (minutes)		
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01 m	1205 <input type="checkbox"/> 30 min. 43 min.		
Z00		1270 mL	Z00 R02 m	###-Z00 HP-2 <input type="checkbox"/> 30 min.		
			Z00 R03 m	###-Z02 HP-3 <input type="checkbox"/> 30 min.		
			Z02 R01 m	###-Z02 HP <input type="checkbox"/> 30 min.		
Depth	PM Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)	FOI Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)
Z00 R01		1270 mL	N° TE335 Weight 37.053		1270 mL	N° TE162 Weight 36.821
Z00 R02		1270 mL	N° TE067 Weight 35.792		1270 mL	N° TE277 Weight 37.472
Z00 R03		1270 mL	N° TE346 Weight 37.614		1270 mL	N° TE281 Weight 37.354



Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01 m		
Z00	R02 m		
Z00	R03 m		
Depth Replicate	COMMENTS PA - HP		
Z00	m		
Z02	m		



LOG-SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-NET-20

OPERATOR(S) RANINI Romain

Net 20  $\mu$ m

Decknet

Deployed at sea

SAMPLE SPLITTING	# of cod-ends	Total volume	Aliquots vol.			
	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2	<input checked="" type="checkbox"/> 1600 mL	<input checked="" type="checkbox"/> 200 mL			
PROTOCOLS	Barcode	Aliquot volume (mL)	Filtration time	Barcode	Aliquot volume (mL)	Filtration time
<b>S20</b> Cryo-5mL LN2 #1		<input checked="" type="checkbox"/> 200 mL (1/8) mL	<input checked="" type="checkbox"/> 15 mn		<input checked="" type="checkbox"/> 200 mL (1/8) mL	<input checked="" type="checkbox"/> 15 mn
<b>FCAM20</b> Bottle-250mL LIVE		<input checked="" type="checkbox"/> 200 mL (1/8)				
<b>E20</b> Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)				
<b>S20-L</b> Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		<input checked="" type="checkbox"/> 200 mL (1/8) mL				
<b>MB20</b> Vial-4mL FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)				
<b>FM20</b> Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> 15 mL			<input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> 15 mL	
<b>HG-20</b> Falcon-15mL FRZ -20°C		200 mL				



	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
S20 Cryo-5mL LN2 #1		
FCAM20 Bottle-250mL LIVE		
E20 Falcon-15mL FRZ -20°C		
S20-L Falcon-5mL FRZ -20°C		
MB20 Vial-4mL FRZ -20°C		
FM20 Falcon-50mL FRG +4°C		